

Ilan Golecki, Ph.D.

TEACHING INTERESTS
UNDERGRADUATE AND GRADUATE COURSES

Scientific Courses (one to two semesters)

- Synthesis of Thin Films and Industrial Coatings
- Semiconductor Science and Technology
- Fabrication and Properties of Fiber-Matrix Composites
- Fabrication and Properties of Carbon-Carbon Composite Articles
- Interaction of Radiation with Matter
- Ion-Beam Solid Interactions
- Analytical Characterization of Materials
- Vacuum Science and Technology
- Solid State Science
- Basic Materials Science Courses
- Basic Physics Courses
- Statistical Methods in Research
- Principles of Instrument Design
- Principles of Laboratory Practice
- Safety Concerns in the Laboratory

Technology Management Courses (one week to one semester)

- Management of Technological Innovation
- Environmental Issues in Research, Development and Manufacturing
- Social Implications of Advanced Technologies
- Total Quality and Six Sigma Concepts in Research, Development, Engineering and Manufacturing
- Management of Research and Development Projects
- Writing Proposals for Research and Development Projects
- Technical Presentations
- Effective Use of Software in Research and Development Projects